

### REMARKS

Applicant requests reconsideration and further examination of this application.

Respectfully, Applicant submits that the amended claims are allowable over the cited references. Applicant's amended newly recite that:

- the Radar system has both a transmitter and receiver, so that it is a self-contained detector;
- the variable frequency oscillator adjusts both the transmitter and receiver, so that both the transmitter and receiver clocks are synchronized by the same oscillator.

These new claim features are not disclosed by, nor made obvious from, the three (3) cited references.

First, none of the cited references relate to self-contained detectors. By "self-contained" Applicant means integral and complete, so that the Radar system is a separate, individual unit that is able to accomplish its detector function on its own. This "self-contained" feature of the invention is supported by Figure 2 and in the Description at page 9, lines 19 - 23, and page 10, lines 1 - 15.

This is in distinction to the three (3) cited references:

Aiello (U.S. Patent 6,430,211) discloses frequency hopping for reducing the amount of interference produced by a baseband transmitter in other narrow-band receivers. For example, this reference relates to digital communications, and nowhere in it is any disclosure about a Radar receiver integral with the transmitter device.

Furthermore, Applicant objects to the Examiner's characterization about the Aiello reference in the second paragraph of item #2 of the Office Action. Therein the Examiner states that "The baseband transmitters or Time Domain Down-conversion Radars." Respectfully, first, this phrase is not a complete sentence, and is nonsensical. Second, this phrase, even if it is corrected to be a sentence by replacing the word "or" in it with the word "are", for example, is not supported by the Examiner, and finds no support in the cited references that Applicant can identify.

In addition, Applicant submits the Aillo reference is not suggestive of anything relating to Radar, because, in Examiner's own words, "Aillo merely discloses that the frequency adjustment is desirable and achieved, but does not disclose the specific structure for such adjustment."

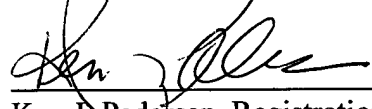
Litchford (U.S. Patent 3,757,324) discloses a method for determining the relative bearing from one airplane to another airplane by using the two transponders, one on each airplane, and a secondary surveillance Radar, the Radar being typically associated with an airport air traffic control tower. Therefore, this Litchford reference requires three (3) different, spaced apart and relatively moveable systems, compared to the "self-contained" Radar system of Applicant's claims.

Larrick, Jr., et al. (U.S. Patent 6,690,741) discloses an ultra-wideband data transmission system. In the FIG. 1 referenced by the Examiner, however, no receiver apparatus is disclosed. Therefore, this Larrick reference also does not disclose Applicant's claimed features wherein the Radar system has both a transmitter and a receiver, and the variable frequency oscillator adjusts both the transmitter and receiver.

Therefore, Applicant's amended claims are patentable in view of the three cited references.

Applicant now believes the application is in condition for allowance and respectfully requests the same.

Respectfully submitted,

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